

Applicant : Gholam-Reza Zadno-Azizi, et al.
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Attorney's Docket No.: 17075-003004 (0102D)

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-19. (Canceled)

20. (Currently amended) A pulmonic fluid-flow control device, comprising:
a one-way valve dimensioned for pulmonary placement, wherein the valve is configured to restrict fluid flow; and
a frame coupled to the valve, wherein the frame self-expands within a pulmonic passageway sufficiently to anchor the flow control device within the pulmonic passageway.

21. (Currently amended) The pulmonic fluid-flow control device of claim 20, wherein the valve has an outer diameter of approximately 0.349 inches.

22. (Previously presented) The pulmonic fluid-flow control device of claim 20, wherein the valve includes a valve body having a slit through which fluid can flow.

23. (Currently amended) A pulmonic fluid-flow control system, comprising:
an outer sheath for positioning a valve; and
a one-way valve so dimensioned as to be guidable on the elongate passage or into the outer sheath, the valve so dimensioned for pulmonary placement, wherein the valve is configured to restrict fluid flow and wherein a frame is coupled to the valve, wherein the frame self-expands within a pulmonic passageway sufficiently to anchor the flow control device within the pulmonic passageway.

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24. (Currently amended) The pulmonic fluid-flow control system of claim 23, wherein the valve has an outer diameter of approximately 0.349 inches.

25. (Previously presented) The pulmonic fluid-flow control system of claim 23, wherein the valve includes a valve body having a slit through which fluid can flow.

26. (Currently amended) A pulmonic fluid-flow control device, comprising:
a one-way valve dimensioned for pulmonary placement, wherein the valve is configured to restrict fluid flow and wherein an outer surface of the device seals is configured to seal with an interior of a body passageway; and
a frame coupled to the valve, wherein the frame self-expands within a pulmonic passageway sufficiently to anchor the flow control device within the pulmonic passageway.

27. (Currently amended) A pulmonic fluid-flow control system, comprising:
an elongate passage for positioning a valve; and
a one-way valve so dimensioned as to be guidable on the elongate passage, the valve so dimensioned for pulmonary placement, wherein the valve is configured to restrict fluid flow and wherein a frame is coupled to the valve, wherein the frame self-expands within a pulmonic passageway sufficiently to anchor the flow control device within the pulmonic passageway.

28. (New) A pulmonic fluid flow control device as in claim 20 or 26, wherein the valve is movable between an open configuration allowing fluid flow through the valve and a closed configuration restricting fluid flow through the valve, the valve being biased into the closed configuration.

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29. (New) A pulmonic fluid flow control device as in claim 28, wherein the device is configured for placement in a bronchial passageway of a lung, and wherein the device has a construction that blocks air flow through the bronchial passageway when the valve is in the closed configuration.

30. (New) A pulmonic fluid flow control device as in claim 23 or 27, wherein the valve is movable between an open configuration allowing fluid flow through the valve and a closed configuration restricting fluid flow through the valve, the valve being biased into the closed configuration.

31. (New) A pulmonic fluid flow control system as in claim 30, wherein the valve is configured for placement in a bronchial passageway of a lung, and wherein the valve has a construction that blocks air flow through the bronchial passageway when the valve is in the closed configuration.